

SEQUENCE LISTING

<110> Robert G. Wisotzkey

<120> SLC19A2 Amino Acid Transporter Gene Disruptions, and Compositions and Methods Related Thereto

<130> R-2243

<140> US 10/603,182
<141> 2003-06-24

<150> US 60/391,157
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                             40
 Ser Glu Pro Phe Leu Thr Pro Tyr Leu Leu Gly Pro Asp Lys Asn Leu
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 Thr Glu Arg Gln Val Tyr Asn Glu Ile Tyr Pro Val Trp Thr Tyr Ser
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155

110

125

140

90

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120 Phe Phe Tyr Gly Ile Ala Thr Ala Thr Glu Ile Ala Tyr Tyr Ser Tyr

135

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145

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Ile Ser Leu Thr Cys Val Ser Val Ala Phe Ala Val Ala Trp Phe Leu
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                            200
                                                205
Pro Met Pro Gln Lys Ser Leu Phe Phe His His Ile Pro Ser Ser Cys
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                        215
His Gly Val Asn Gly Leu Lys Val Gln Asn Gly Gly Ile Val Thr Asp
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Thr Pro Ala Ala Asn His Leu Pro Gly Trp Glu Asp Ile Glu Ser Lys
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Ile Pro Leu Asn Leu Asp Glu Pro Pro Val Glu Pro Glu Glu Pro
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Lys Pro Asp Arg Leu Arg Val Phe Arg Val Leu Trp Asn Asp Phe Leu
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Trp Glu Lys Val Met Pro Ser Gln Asn Ala Asp Ile Tyr Asn Gly Gly
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Val Glu Ala Val Ser Thr Leu Leu Gly Ala Ser Ala Val Phe Ala Val
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Gly Tyr Ile Lys Leu Ser Trp Ser Thr Trp Gly Glu Met Thr Leu Phe
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Leu Cys Ser Leu Leu Ile Ala Ala Ala Val Tyr Val Met Asp Thr Val
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Gln Ser Ile Trp Val Cys Tyr Ala Ser Tyr Val Val Phe Arg Ile Ile
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Tyr Met Val Leu Ile Thr Ile Ala Thr Phe Gln Ile Ala Ala Asn Leu
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Ser Met Glu Arg Tyr Ala Leu Val Phe Gly Val Asn Thr Phe Ile Ala
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Leu Ala Leu Gln Thr Leu Leu Thr Leu Ile Val Val Asp Ala Arg Gly
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                            440
Leu Gly Leu Cys Ile Thr Thr Gln Phe Leu Ile Tyr Ala Ser Tyr Phe
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Ala Ala Ile Ser Val Val Phe Leu Ala Asn Gly Ile Val Ser Ile Ile
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